

MICROPACK III TEMPERATURE LOGGER



Micropack III Temperature Logger

- Wireless temperature logger.
- Compact.
- 16,000 Logging points with NIST traceability
- Compliant with FDA 21 CFR Part 11*1
- Intrinsic safety
- Offset adjustment / Battery replacement



Adaptable to virtually any environment and situation, the MPIII temperature loggers measure to within one inch (25.4mm without probe and thermal barrier). Their small size increases their versatility and accuracy, allowing them to be positioned in close proximity to or inside the objects to be monitored. From defrosting/freezing processes to ambient temperature to pasteurization processes to Eto and depyrogenation processes, the MPIII Temp, and HiTemp and HiTemp Ext loggers provide accuracy over a very wide temperature range.

High-quality measurements

With three different models to choose from, DataTrace makes it easy to monitor processes over a wide range of temperatures and in a variety of industries and situations such as:




- Food, packaging and canning.
- Beverages, including wine and soft drinks.
- Pharmaceutical, including autoclaves and EtO (ethylene oxide) sterilization.
- Sterilization autoclaves.
- Monitoring of compressed gas systems.
- Pressurized processes in reactors and streams.
- Textile industry.

The programming, use and battery replacement of our MPIII wireless temperature loggers are very simple and can be programmed in seconds using software that allows data download, calculations and software that allows data download, lethality calculations and the generation of time-saving and cost-saving graphs which saves time and reduces the cost of system monitoring.

Datatrace software is very intuitive and highly secure (FDA compliant with FDA 21 CFR Part 11). It allows you to generate reports in any desired format and to use password to control access to the program, allowing the use of electronic signatures and the generation of automatic documentation that can be used during audits to have perfectly ordered and documented all the tests carried out. Our software even allows to synchronize multiple achievements (of any type) in the same project.

Equipment specifications.

Operating parameters	
Temperature	MPIII Temp y MPIII Dual Temp: -20°C (-4°F) to +140°C (+284°F) MPIII HiTemp*: +100°C (+212°F) to +360°C (+680°F)* MPIII HiTemp EXT*: -20°C (-4°F) to +400°C (+752°F)* *Thermal barrier required for temperatures above 140°C
Temperature Accuracy	MPIII Temp/Dual: ± 0.1°C (±.2°F) MPIII HiTemp*: ± 0.5°C (± 0.9°F) MPIII HiTemp EXT*: ± 0.25°C (± 0.45°F); <200°C (392°F) ± 0.5°C (± 0.9°F); ≥200°C (392°F)
Maximum Operating Pressure	Up to 10 bar.
Dimensions and constructions	
Size	Width: 18mm x Length: 20mm* *Size valid for logger body only
Weight	15 grams* *Size valid for logger body only.
Material of Construction	316 stainless steel with IR ports Sapphire Windows

Sensors	
Temperature	MPIII Temp and MPIII Dual Temp: Thermistor or RTD MPIII HiTemp*: Thermistor. MPIII HiTemp EXT*: RTD
Measurement parameters	
Memory	16,000 temperature observations.
Measurement interval	Operator programmable. Intervals from 1 second to 18 hours.
Mechanical	
Calibration	Factory calibration (NIST traceable)
Battery type	Lithium (field replaceable)
Clock accuracy	26 seconds every 24 hours
Certifications	LCIE EEx (for intrinsic safety), EC
  	

All specifications and features shown here are subject to change without notice.

*1 Please refer to the different software versions.